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PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/675,782
Filing Date	30 September 2003
First Named Inventor	Freitag et al.
Art Unit	2653
Examiner Name	Heinz, Allen J.
Attorney Docket Number	HSJ9-2003-0071U82

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AH		US- 2002/0181173 A1	12/05/2002	Nagai	
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		US- 5,701,223 A1	12/23/1997	Fontana et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
AH		WO 02/077657	10/03/2002	Hong et al.		

Examiner  
Signature

A. Heinz

Date  
Considered

6/28/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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		Examiner Name	Heinz, Allen J.
Sheet 2	of 2	Attorney Docket Number	HB79-2003-0071052

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AA		EGELHOFF Jr. et al., Oxygen as a Surfactant in the Growth of Giant Magnetoresistance Spin Valves, Journal of Applied Physics, 15 December 1997, 6142-6151, 82-12	
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		WANG et al., Specularity in GMR Spin Valves and In Situ Electrical and Magnetotransport Measurements, IEEE Transactions on Magnetics, September 2000, 2841-2846, 36-5, Kyoto, Japan	

Examiner Signature	<i>A. Heinz</i>	Date Considered	6/28/06
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